BRUHATH BANGALORE MAHANAGARA PALIKE, DASARAHALLI

Office of the Executive Engineer Dasarahalli Sub Division,

SCHEDULE-B

NAME OF WORK: Improvements to main & cross roads in Reddy Layout Ravindranagara Airforce Compound, in Ward No.12, in Shettyhalli Sub Division.

Sl. No	Description of work	Unit	Qty	Sanctioned Estimate Rates	
				In Figures (Rs.)	In Words (Rs.)
1	2	3	4	5	6
1	Earthwork in surface excavation in Hard soil for leveling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be leveled after breaking of clods and neatly dressed as per specifications Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	987.00	177.12	Rupees On Hundred Seventy Seven and Twelve Pais Only
2	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM of machinery, curing Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	163.37	4290.84	Rupees Four Thousand Two Hundred Ninety and Eighty Fou Paise Onl
3	Providing and laying cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C. works laid in 15 cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar, with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed Cement concrete M-20 for raft foundation, column footing, main and secondary beams Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	82.00	6464.88	Rupees S Thousan Four Hundrec Sixty Fou and Eigh Eight Pai Only

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4	Providing. and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	153.05	5639.76	Rupees Five Thousand Six Hundred Thirty Nine and Seventy Six Paise Only
5	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery Complete as per specfications. and direction of Engineer-in-charge of the work.	Qtls	91.83	7450.92	Rupees Seven Thousand Four Hundred Fifty and Ninety Two Paise Only
6	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour Complete as per specfications. and direction of Engineer-in-charge of the work.	Sqm	1395.90	266.06	Rupees Two Hundred Sixty Six and Six Paise Only
7	Construction of granular sub-base by providing close graded Material, mixing in a mechanical mix plant at OMC, carriage of mixed Material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power roller to achieve the desired density, Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	191.10	1060.56	Rupees One Thousand Sixty and Fifty Six Paise Only

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8	Providing, laying, spreading and compacting graded stone aggregate to wet mix macadam Specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	191.10	1121.04	Rupees One Thousand One Hundred Twenty One and Four Paise Only
9	Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg/sqm using mechanical means. Complete as per specfications. and direction of Engineer-in-charge of the work.	Sqm	1274.00	44.28	Rupees Forty Four and Twenty Eight Paise Only
10	Providing and laying bituminous concrete with 100-120 TPH batch type hot mix plant producing an average output of 75 tonnes per hour using crushed aggregates of specified grading, premixed with bituminous binder at 5.4 to 5.6% of mix and filler, Transporting the hot mix to work site, laying with a hydrostatic paver finisher with sensor control to the required grade, level and alignment, rolling with smooth wheeled, vibratory and tandem rollers to achieve the desired compaction as per MORTH specification clause No. 500.9 complete in all respects complete as per specifications. MORTH specification No. 509 30-45mm compacted thickness (Grading ll) with 6% Bitumen 60/70 grade using 40-60 HMP using mechanical Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	50.96	11619.72	Rupees Eleven Thousand Six Hundred Nineteen and Seventy Two Paise Only
11	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Complete as per specfications. and direction of Engineer-in-charge of the work.	Cum	982.00	72.71	Rupees Seventy Two and Seventy Paise Only

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